

How OCIANA™ Port Analytics Shapes Global Trade

Want to reduce
port congestion?

Plan to mitigate
the impact of
shock on the
supply chain?

Need real-time
data insights to
support decision
making?

In global trade across the oceans, ports are recognised as vital nodes that connect nations and facilitate the movement of goods. However, there is an underlying challenge that is common to all maritime players: port congestion. GSTS provides transformational insights through OCIANA™ Port Analytics and is instrumental in managing turbulent waters.

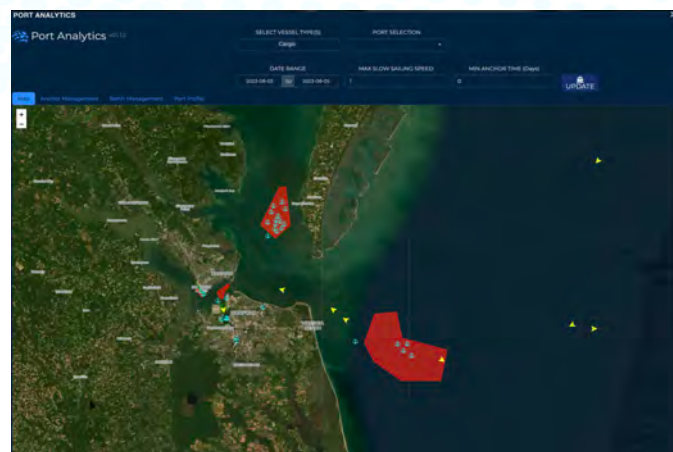
OCIANA™ Port Analytics harnesses the power of big data and through its modeling capabilities, it provides real-time insights into port operations, enabling stakeholders to make informed decisions.

As a sample analysis, OCIANA™ can guide a cargo vessel's choice and guide the vessel to Port A. Despite congestion levels, historical vessel data and models produced by OCIANA™ Port Analytics indicated Port A's superior performance in minimizing wait times for vessels of similar specifications. This nuanced insight influenced the decision, resulting in the vessel's successful and swift navigation through Port A. The example underscores the platform's capacity to harness historical performance data, enabling informed choices that optimize supply chain efficacy and reinforce the platform's instrumental role in shaping the future of maritime commerce.



Index	Shipname	IMO	Ship Type	Ship Type Name	Ship Type Free	Arrival Time	Departure Time	Wait Time	Destination	Status	Anchor Name
00000000	BULK POLAND	960281	70	Bulk Carrier	Bulk Carrier	2023-04-02 07:00:00	2023-04-04 17:00:00	2.70 days	US DOR	At Anchor	Chesapeake Bay
00000001	US LAUD	970000	70	Ship	Container Ship (Fully Cellular)	2023-04-04 17:00:00	2023-04-04 17:00:00	0.00 days	US DOR	At Anchor	Outer Anchorage
00000002	SHARONSON BAY	970000	70	Bulk Carrier	Bulk Carrier	2023-07-02 07:00:00	2023-08-04 17:00:00	34.34 days	US DOR	At Anchor	Chesapeake Bay
00000003	MAGIC PEREUS	960007	70	Bulk Carrier	Bulk Carrier	2023-07-02 07:00:00	2023-08-04 17:00:00	4.33 days	US DOR	At Anchor	Chesapeake Bay
00000004	VERA FALCINO	947000	70	Bulk Carrier	Bulk Carrier	2023-04-02 07:00:00	2023-08-04 17:00:00	10.89 days	US DOR	At Anchor	Chesapeake Bay
00000005	STANIS BAY	937000	70	Bulk Carrier	Bulk Carrier	2023-04-02 07:00:00	2023-08-04 17:00:00	1.00 days	US DOR	At Anchor	Chesapeake Bay
00000006	ULTRA PLANA	970000	70	Bulk Carrier	Bulk Carrier	2023-04-02 07:00:00	2023-08-04 17:00:00	1.00 days	US DOR	At Anchor	Chesapeake Bay
00000007	SEA TREASURE	960007	70	Bulk Carrier	Bulk Carrier	2023-07-02 07:00:00	2023-08-04 17:00:00	15.64 days	US DOR	At Anchor	Chesapeake Bay
00000008	FRONTIER	960000	70	Bulk Carrier	Bulk Carrier	2023-07-02 07:00:00	2023-08-04 17:00:00	22.38 days	US DOR	At Anchor	Chesapeake Bay
00000009	ARM JODY	960000	70	Bulk Carrier	Bulk Carrier	2023-07-02 07:00:00	2023-08-04 17:00:00	4.97 days	US DOR	At Anchor	Chesapeake Bay

OCIANA™: Anchorage Wait Times Sample for Port A



Port A: Sample Anchorage and Berth Layers

Benefits of OCIANA™ Port Analytics

- Single window into current wait times and traffic conditions at various ports for shipping lines, terminal operators, ports and pilotages
- Enables stakeholders to adjust strategy in real-time, ensuring smoother traffic flow and reduced congestion
- Facilitation of efficient and sustainable port selection for all maritime stakeholders
- Monitoring of vessels in real-time to provide stakeholders with a comprehensive view of upcoming port operations, enabling them to make informed decisions
- Leveraging historical vessel data, OCIANA™ accurately models expected wait times, allowing for advanced planning and optimized resource allocation
- Real-time and historical comparison between current and previous time periods within a port and between competitor ports: analysis and insights such as anchorage queue, occupied berths, and anticipated wait times
- Mitigate increased costs, delayed shipments, and reduced product availability resulting in actively managed prices, potential shortages of everyday goods, and economic uncertainty

Contact GSTS for more information: sales@gsts.ca

